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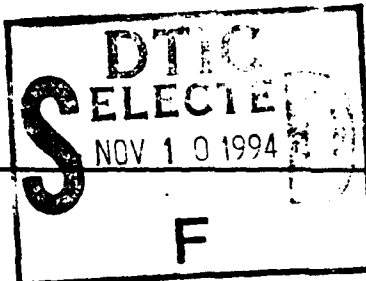
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13. ABSTRACT (Maximum 200 words)

THE LEVELS OF PESTICIDES (ALDRIN AND DIELDRIN) MEASURED IN FLESH  
(EDIBLE PORTION) OF FISH CAUGHT FROM LAKE LADORA DURING JUNE 1973  
TO JANUARY 1975 HAD NOT EXCEEDED 0.1PPM. DURING MARCH 1975, SIX  
LARGEMOUTH BASS WERE HARVESTED FROM LAKE LADORA AND SENT TO DUGWAY FOR PESTICIDE  
ANALYSIS. THE LEVELS OF DIELDRIN IN THESE FISH ARE HIGHER THAN THOSE  
PREVIOUSLY REPORTED FOR LAKE LADORA AND ACCORDING TO THE WORLD HEALTH  
ORGANIZATION (WHO) RECOMMENDATIONS ARE POTENTIALLY HARMFUL. MONITORING OF THE  
ALDRIN AND DIELDRIN LEVELS IN FISH FROM LAKE LADORA WILL CONTINUE ON A QUARTERLY  
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INTERIM REPORT ON PESTICIDE LEVELS IN FISH COLLECTED 20 MARCH 1975  
FROM LAKE LADORA AT ROCKY MOUNTAIN ARSENAL

(TRMS NO. 5-CO-523-ECP-005)

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MAY 1975

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DUGWAY, UTAH 84022

STEDP-TO-L

20 MAY 1975

SUBJECT: Interim Report on Pesticide Levels in Fish Collected  
20 March 1975 from Lake Ladora at Rocky Mountain  
Arsenal

Commander  
Rocky Mountain Arsenal  
Denver, Colorado 80340

Forwarded for your information and retention is a report on  
pesticide levels in fish from Lake Ladora at Rocky Mountain  
Arsenal.

FOR THE COMMANDER:

*Jason H. Cain Jr.*  
JASON H. CAIN, Jr.  
LTC, TC  
Executive Officer

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as

CF:  
CDR, TECOM (AMSTE-NB)  
CDR, EA (SAREA-BL-E, Dr. Prescott Ward)

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# 1. REFERENCES:

Interim Report on Pesticide Levels in Fish from Two Industrial Lakes at Rocky Mountain Arsenal, March 1975.

# 2. INTRODUCTION:

In the referenced report the levels of pesticides (aldrin and dieldrin) measured in flesh (edible portion) of fish caught from Lake Ladora during June 1973 to January 1975 had not exceeded 0.1 ppm. Based on World Health Organization (WHO) recommendations the maximum allowable limits in foodstuffs for human consumption are 0.02 to 0.2 ppm.

# 3. FINDINGS:

During March 1975 six largemouth bass were harvested by rod and reel from Lake Ladora by RMA personnel and sent to DPG for pesticide analysis. Results are as follows:

Sample No.	Tissue Analyzed	Weight (grams)	Aldrin (ppm)	Dieldrin (ppm)
1	flesh (edible portion)	386	<0.1	0.31
2	flesh (edible portion)	579	<0.1	0.27
3	flesh (edible portion)	412	<0.1	0.15
4	flesh (edible portion)	553	<0.1	0.22
5	flesh (edible portion)	433	<0.1	0.16
6	flesh (edible portion)	444	<0.1	1.04

# 4. CONCLUSION:

The levels of dieldrin in these fish are higher than those previously reported for Lake Ladora and according to WHO recommendations are potentially harmful.

# 5. FUTURE ACTIONS:

Monitoring of the aldrin and dieldrin levels in fish from Lake Ladora will continue on a quarterly basis or more frequently if deemed necessary.